

12/22/98

**REISSUE  
PATENT APPLICATION  
TRANSMITTAL**

 <b>JG48 U.S. PTO</b>	Attorney Docket No.	0557-4442-2REISSUE
	First Named Inventor	KYOJI OMI
	Original Patent Number	5,600,445
	Original Patent Issue Date	FEBRUARY 4, 1997
Title	MODULAR COPYING SYSTEM USING LIGHT WAVE, ELECTRIC WAVE, OR SONIC WAVE INTERCONNECTIONS	

JF525 U.S. PTO  
09/21/83/5

12/22/98

<b>APPLICATION FOR REISSUE OF:</b> <input checked="" type="checkbox"/> Utility Patent <input type="checkbox"/> Design Patent <input type="checkbox"/> Plant Patent		
<b>APPLICATION ELEMENTS</b>		<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original and a duplicate for fee processing)  2. <input checked="" type="checkbox"/> Specification and claims  3. <input checked="" type="checkbox"/> Drawing(s)  4. <input checked="" type="checkbox"/> Reissue Oath or Declaration  5. Original U.S. Patent  <input checked="" type="checkbox"/> Offer to surrender original patent  or <input type="checkbox"/> Ribboned Original Patent Grant <input type="checkbox"/> Affadavit / Declaration of Loss  6. Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  if yes, check applicable boxes <input checked="" type="checkbox"/> Written Consent of all Assignees <input checked="" type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney		<b>ACCOMPANYING APPLICATION PARTS</b> 7. <input checked="" type="checkbox"/> Transfer drawings from Patent File 8. <input checked="" type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119) 9. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations (3) 10. <input type="checkbox"/> English Translation of Reissue Oath/Declaration 11. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application. Status still proper and desired. 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> White Advance Serial No. Postcard 14. <input checked="" type="checkbox"/> Other: <input type="checkbox"/> Statement of Support for Claim Amendments Pursuant to 37 C.F.R. §1.121(b)(2)(iii), Copy of Recorded Assignment.
<b>15. CORRESPONDENCE ADDRESS</b>		
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Signature:			Date: 12/22/98
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# REISSUE APPLICATION FEE TRANSMITTAL FORM

Docket Number

0557-4442-2REISSUE

## Claims as filed - Part 1

Claims in Patent	For	Number Filed in Reissue Application	Number Extra	Rate	Fee
11	Total Claims	47	27	x \$18 =	\$486.00
2	Independent	4	2	x \$78 =	\$156.00
Basic Fee (37 CFR 1.16(h))					\$760.00
Total of above calculations					\$1,402.00
<input type="checkbox"/> Reduction by 50% for filing by small entity					\$0.00
					<b>Total Filing Fee</b> \$1,402.00

## Claims as Amended - Part 2

	Claims Remaining After Amendment (after any cancellation)	Highest Number Previously Paid For	Extra Claims	Rate	Fee
Total Claims		-	= 0	x \$18 =	\$0.00
Independent		-	= 0	x \$78 =	\$0.00
Total of above calculations					\$0.00
<input type="checkbox"/> Reduction by 50% for filing by small entity					\$0.00
					<b>Total Additional Fee</b> \$0.00

- Please charge Deposit Account No. 15-0030 in the amount of \_\_\_\_\_ A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$1,402.00 to cover the filing/additional fee is enclosed.

12/22/98

Date

Signature of Attorney of Record

Gregory J. Maier, Registration No. 25,599  
James J. Kulbaski, Registration No. 34,648

Typed or printed name

Docket No. 0557-4442-2 REISSUE of  
0557-3217-2

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

**IN RE REISSUE OF U.S. PATENT 5,600,445 :**

**KYOJI OMI : EXAMINER:**

**SERIAL NO.: UNASSIGNED : GROUP:**

**FILED: HEREWITH :**

**FOR: MODULAR COPYING SYSTEM USING LIGHT WAVE, ELECTRIC  
WAVE, OR SONIC WAVE INTERCONNECTIONS**

**STATEMENT OF SUPPORT FOR CLAIM AMENDMENTS**  
**PURSUANT TO 37 C.F.R. §1.121(b)(2)(iii)**

**ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231**

**SIR:**

In accordance with the requirements of 37 C.F.R. §1.121(b)(2)(iii), enclosed herewith is an explanation of the support in the disclosure of the patent for the claim amendments including new Claims 12-47.

Independent Claim 12 generally corresponds to the embodiment illustrated in Figure 23 and described in the specification at column 25, lines 1-9. The features regarding the power supply within the printer module and the inputs are supported by Figure 23 and its description at column 25, lines 1-9. The description of Figure 23 at the top of column 25 describes the system of Figure 3 as being based on the system of Figure 1 with the difference being in the electric power supply section, etc. Thus, the features of the other embodiments including the embodiment of Figure 1 are applicable to the added claims.

Regarding the feature of Claim 12 including a first frame and a second frame different from the first frame, these features are supported by the scanner module and the printer modules having independent frames, as recited at column 4, lines 38 and 39, and lines 51 and 52. The printer module corresponds to reference numeral 200, the scanner module corresponds to reference number 100, and the user interface corresponds to the console 303 having a key input section 303A and a bit map display section 303B illustrated in Figure 13 and described in the specification at column 19, lines 31-33.

The user interface being incorporated in the scanner module or the printer module is supported in the specification at column 4, lines 63-65 and column 5, lines 37-41, for example.

The limitation of Claim 14 displaying a state of both the printer module and the scanner module is supported at column 20, lines 14-16 and column 21, lines 43-49, for example.

The limitations of Claim 15 are supported by Figures 23 and 1, for example, which illustrate the use of at least one cable and also, column 5, lines 31-33 which recite that a number of cables used for connection between the basic modules be reduced as much as possible. Being reduced as much as possible supports the "minimum number of cables." A minimum number of cables connecting the elements will typically be one as a plurality of wires, etc. can be placed into a single cable.

Claim 16 is clearly supported by Figures 1 and 23.

Claim 17 is supported by column 19, line 33.

Claim 18 is supported by column 4, lines 39 and 40, and lines 51 and 52.

Claim 19 is supported by the last line of column 4.

Claim 20 is supported by column 13, lines 35-38, for example. See also generally column 6, lines 56-59.

Claim 21 is generally supported by column 4, line 63-65.

Added Claims 23-29 correspond to the limitations in Claims 15-19, and are supported for similar reasons as Claim 15-19 are supported.

Claim 28 is supported by column 19, lines 31 and 32.

Claim 29 is supported for similar reasons as Claim 20 is supported.

Added Claims 30-47 correspond to Claims 12-29 written using means-plus-function format and are intended to be interpreted under 35 U.S.C. §112, sixth paragraph. Support for these means-plus-function claims is found in the specification and drawings at least where the corresponding Claims 12-29 are supported. There may be additional support in the specification for these and all added claims.

Respectfully submitted,

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Docket No. 0557-4442-2REISSUE of  
557-3217-2

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE REISSUE APPLICATION OF :  
KYOJI OMI :  
PATENT NO: 5,600,445 :  
ISSUED: FEBRUARY 4, 1997 :  
FILED: HEREWITH :  
FOR: MODULAR COPYING SYSTEM USING  
LIGHT WAVE, ELECTRIC WAVE, OR  
SONIC WAVE INTERCONNECTIONS

OFFER TO SURRENDER THE ORIGINAL PATENT

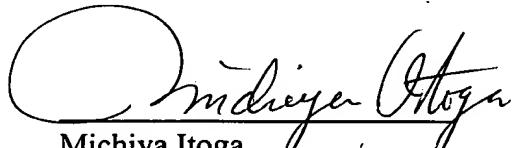
ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

SIR:

On behalf of Ricoh Company, Ltd., a Japanese Company, 3-6 Nakamagome, Ota-ku, Tokyo  
143 Japan, which is the owner of the entire interest in the original patent this application seeks to  
reissue, I hereby offer to surrender the original patent if the reissue application is allowed.

NOV. 24, 1998

Date



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0557-3217-2

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

IN RE REISSUE OF U.S. PATENT 5,600,445 :

PATENTEE: KYOJI OMI :

SERIAL NO.: UNASSIGNED :

FILED: HEREWITH :

FOR: MODULAR COPYING SYSTEM USING LIGHT WAVE, ELECTRIC  
WAVE, OR SONIC WAVE INTERCONNECTIONS

**REQUEST FOR THE TRANSFER OF THE ORIGINAL DRAWINGS**

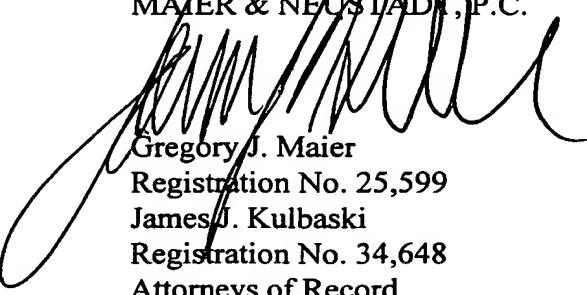
ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

In accordance with 37 C.F.R. §1.174(a), please use the drawings from the original patent. In the event that the original drawings are amended during prosecution, Applicants will provide new drawings of the affected figures.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



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